

Notice of Allowability

Application No.

09/751,543

Examiner

Lourdes C. Cruz

Applicant(s)

MAYBERRY, MIKE

Art Unit

2827

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to An election filed 04/07/03.
2. ☒ The allowed claim(s) is/are 16-24.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

Election/Restrictions

Applicant's election **without** traverse of Claims 16-24 in Paper No. 14 is acknowledged.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Specification

In the **title**:

Please replace title for: "System for Split Package Power and Rotational Burn-in of a Microelectronic Device"

In the **claims**:

Cancel non-elected claims 1-15.

Drawings

The following changes to the drawings have been required by the examiner: All of the cross-hatching patterns should be selected from those shown on page 600-81 of

Art Unit: 2827

the MPEP based on the material of the part. Also see 35 CFR 184 (h)(3) and MPEP 608.02.

Figure 1 must be labeled as "Prior Art". See that the brief description of the drawings describes this figure as a conventional art Figure. The examiner was unable to make the changes since this is an Electronic File Wrapper (EFW).

In order to avoid abandonment of the application, applicant must make these above drawing changes.

Rejoinder

Claims 16-24 are directed to an allowable product. Rejoinder, pursuant to the procedures set forth in the Official Gazette notice dated March 26, 1996 (1184 O.G. 86), of non-elected claims directed to the process of making a semiconductor device **was considered by the examiner**, but found **inappropriate** because the patentable limitations in the allowed claims are **absent** in the non-elected claims.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: See that there is prior art regarding microelectronic devices comprised in a system wherein an IC is mounted on a substrate in order to allow burn -in for testing the IC. See that Bjork (US6476629) discloses all the above limitations.

However, the present specifically recites a microelectronic device including an IC mounted on a substrate; break through conductive layers of the substrate corresponding to a break in power planes of the IC, the break through the substrate and

Art Unit: 2827

the break in the IC configured to allow rotational burn-in of the IC. See, for example, page 5 of the disclosure wherein the microelectronic device is described as one that was split into two pieces and a rotational burn-in was utilized.

The above is neither obvious over nor anticipated by the prior art of record, which fails to either alone or in combination anticipate the device as claimed. Therefore, the combination of the above with all other specific limitations of the device is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elle Cruz whose telephone number is 703-306-5691. The examiner can normally be reached on M-F 10-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Art Unit: 2827



Elle Cruz
July 13, 2003

Lourdes C. Cruz
Examiner
Art Unit 2827



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